



Henny Penny
Hand Breader/Sifter
Model HB-11

Operator MANUAL

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SECTION 1. MAINTENANCE

1-1. INTRODUCTION

Electrical and mechanical components which may require servicing are contained beneath the cover plate assembly. Outlined below are step by step procedures when replacing parts becomes necessary. Refer to exploded drawing in this manual.

1-2. SAFETY

The only way to ensure safe operation of the Henny Penny Hand Breader/Sifter is to fully understand the proper installation, operation, and maintenance procedures. The instructions in this manual have been prepared to aid you in learning the proper procedures. Where information is of particular importance or is safety related, the words NOTICE, CAUTION or WARNING are used. Their usage is described below:



SAFETYALERT SYMBOL is used with DANGER, WARNING, or CAUTION which indicates a personal injury type hazard.

NOTICE is used to highlight especially important information.

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

CAUTION used with the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

1-3. REPLACEMENT OF BELT

1. Remove all equipment (breaching lugs, back splash, dip pot, etc.) from top of unit.
2. Remove top (28) by lifting from unit.
3. Using a #2 Phillips screwdriver, remove two screws (17) from cover plate assembly (16), and slide cover plate assembly out towards the sifter basket.
4. Using a 1/2" wrench, loosen the hex nuts on the adjustable foot (10) so that the motor (8) can be moved to loosen the belt (1).
5. Replace belt and adjust tension.



Proper tension is achieved when belt deflects approximately 1/2" (12.7 mm).

1-4. REPLACEMENT OF MANDREL



To avoid electrical shock or property damage, move the power switch to OFF and disconnect main circuit breaker, or unplug cord at wall receptacle.

1. Remove all equipment from top of unit.
2. Remove top (28) by lifting from unit.
3. Remove two screws (17) from cover plate assembly (16) and slide assembly out towards the sifter basket.

**1-4. REPLACEMENT OF
MANDREL (Continued)**

4. Loosen hex nuts on the adjustable foot (10), move motor, and loosen belt. Remove belt.
5. Using a 5/16" Allen wrench, remove set screw (62) from driven pulley and remove pulley (53).
6. Turn mandrel shaft (52) until the eccentric (49) and rod end bearing (46) are accessible.
7. Remove shoulder screw (51) and washers (48-43) and allow rod end bearing (46) and push rod assembly (44) to fall free.
8. Remove four bolts (5) holding mandrel to mounting bracket and remove.
9. Remove eccentric (49) and eccentric spacer (57) by moving eccentric clockwise.



The eccentric has left hand threads. Move the eccentric clockwise or threads of eccentric could be damaged.

**1-5. REPLACEMENT OF
MOTOR**



To avoid electrical shock or property damage, move the power switch to OFF and disconnect main circuit breaker, or unplug cord at wall receptacle.

1. Remove all equipment from top of unit.
2. Remove top (28) by lifting from unit.
3. Remove two screws (17) from cover plate assembly (16) and slide assembly out towards the sifter basket.
4. Remove nut (50) from cord clamp (26), and pull cord from clamp.

1-5. REPLACEMENT OF

MOTOR (Continued)

5. Loosen the hex nuts on the adjustable foot (10), loosen belt, and then remove belt.
6. Remove the hinge pin from hinge (7) and remove motor (8).
7. Remove the wiring cover plate from the motor and disconnect wires from motor.



When wiring new motor leads, refer to the wiring diagram in this manual. The motor must rotate in a counterclockwise direction, or damage to the unit could result.

8. Transfer bolts (5), nuts (2), lockwashers (3), and hinge to new motor and install.
9. Reassemble in reverse order of above procedures.



To avoid loose connections and possible component damage, wire nut connections must be tight and secured with electrical tape.

1-6. REPLACEMENT OF SWITCH



To avoid electrical shock or property damage, move the power switch to OFF and disconnect main circuit breaker, or unplug cord at wall receptacle.

1. Remove all equipment from top of unit.
2. Remove top (28) by lifting from unit.
3. Remove two screws (17) from cover plate assembly.
4. Remove the switch mounting nut, switch on/off plate and switch guard.
5. Place wires on new switch exactly as on old switch.
6. Replace switch nut, on/off plate, and switch guard, and tighten.

**1-7. REPLACEMENT OF
ROD END BEARING**



To avoid electrical shock or property damage, move the power switch to OFF and disconnect main circuit breaker, or unplug cord at wall receptacle.

1. Remove all equipment from top of unit.
2. Remove top (28) by lifting from unit.
3. Remove two screws (17) from cover plate assembly (16) and slide assembly out towards the sifter basket.
4. Turn mandrel shaft (52) until eccentric (49) and rod end bearing (46) are accessible.
5. Remove shoulder screw (51), nut and washers (48-43), and allow rod end bearing (46) and push rod assembly (44) to fall free.
6. Remove spring retainer (38) and lift push rod (44) off basket holder (39).
7. Remove push rod assembly from unit and measure the distance from the end of the rod end bearing (46) to the locking nut (45).
8. Using two 9/16" wrenches, loosen locking nut (45) and unthread rod end bearing from push rod (44).
9. Install locking nut (45) to new rod end bearing in same position as old rod end bearing.
10. Snug locking nut and install push rod assembly to basket holder (39) and eccentric (49), and tighten with 9/16" wrench.

1-8. REPLACEMENT OF
PUSH ROD BEARING



To avoid electrical shock or property damage, move the power switch to OFF and disconnect main circuit breaker, or unplug cord at wall receptacle.

1. Remove all equipment from top of unit.
2. Remove spring retainer (38) from basket holder (39).
3. Lift end of push rod (44) from basket holder.
4. Replace push rod bearing (42).

1-9. REPLACEMENT OF
SIFTER BEARING



To avoid electrical shock or property damage, move the power switch to OFF and disconnect main circuit breaker, or unplug cord at wall receptacle.

1. Remove all equipment from top of unit.
2. Remove spring retainer (38) from basket holder (39).
3. Lift end of push rod (44) from basket holder.
4. Remove basket (40-41) and basket holder (39) from unit.
5. Replace sifter bearing (37).

1-10. WIRING DIAGRAMS

